

District I - (505) 393-6161
1625 N. French Dr
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

New Mexico

Energy Minerals and Natural Resources Department

Oil Conservation Division

2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

1416 Form C-142
Date 06/99

SUBMIT ORIGINAL
PLUS 2 COPIES
TO THE SANTA FE
OFFICE

NOV 17 1999

OIL CONSERVATION DIVISION

APPLICATION FOR NEW WELL STATUS

I. Operator and Well

Operator name & address Dugan Production Corp. P. O. Box 420, Farmington, NM 87499-0420							OGRID Number 006515	
Contact Party John Alexander							Phone (505) 325-1821	
Property Name El Nino					Well Number 6E		API Number 30 045 29639	
UL J	Section 11	Township 26N	Range 9W	Feet From The 1850	North/South Line South	Feet From The 1850	East/West Line East	County San Juan

II. Date/Time Information

Spud Date 7/28/99	Spud Time 1500 hrs	Date Completed 11/15/99	Pool Basin Dakota & Blanco Mesaverde
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III. Attach copies of Form C-103 or Federal Form 3160-5 showing date/time of drilling commenced and Form C-105 or Federal Form 3160-4 showing well was completed as a producer.

IV. Attach a list of all working interest owners with their percentage interests.

V. AFFIDAVIT:

State of New Mexico)

ss.

County of San Juan)

John Alexander, being first duly sworn, upon oath states:

1. I am the Operator, or authorized representative of the Operator, of the above-referenced well.
2. To the best of my knowledge, this application is complete and correct.

Signature John Alexander Title Vice-president Date November 15, 1999

SUBSCRIBED AND SWORN TO before me this 15th day of November, 1999.

Paul Cunningham
Notary Public

My Commission expires: 3/07/03

FOR OIL CONSERVATION DIVISION USE ONLY:

VI. CERTIFICATION OF APPROVAL:

This Application is hereby approved and the above-referenced well is designated a New Well. By copy hereof, the Division notifies the Secretary of the Taxation and Revenue Department of this Approval.

Signature <u>Mark P. Speer</u>	Title <u>P.E. Speer</u>	Date <u>1-14-00</u>
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VII. DATE OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT: 1/14/00

NOTICE: The operator must notify all working interest owners of this New Well certification.

PV2V2007235255

Form 3160-5
(June 1990)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposalsRECEIVED
BLM

99 AUG 10 PM 1:23

SUBMIT IN TRIPLICATE

070 FARMINGTON, NM

1. Type of Well

☐ Oil
Well☒ Gas
Well☐ Other

2. Name of Operator

Dugan Production Corp.

3. Address and Telephone No.

P.O. Box 420, Farmington, NM 87499 (505) 325 - 1821

Location of Well (Footage, Sec., T., R., M., or Survey Description)

1850' FSL & 1850' FEL (NW/4 SE/4)

Unit J, Sec. 11, T26N, R9W, NMPM

5. Lease Designation and Serial No.

NM 012737

6. If Indian, Allotted or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

El Nino #6E

9. API Well No.

30 045 29639

10. Field and Pool, or Exploratory Area

Basin Dakota

11. County or Parish, State

San Juan, NM

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
- ☒ Subsequent Report
- ☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
- ☐ Recompletion
- ☐ Plugging Back
- ☐ Casing Repair
- ☐ Altering Casing
- ☒ Other Spud, surface casing
- ☐ Change of Plans
- ☐ New Construction
- ☐ Non-Routine Fracturing
- ☐ Water Shut-Off
- ☐ Conversion to Injection
- ☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Spud @ 1500 hrs 7/28/99. Set 8-5/8" 24# J-55 casing @ 330'. Cement with 342 cu. ft. Class "B" containing 3% CaCl₂. Circulated 10 bbls cement to surface. Pressure test casing and BOP to 600 psi, held ok.

14. I hereby certify that the foregoing is true and correct

Signed

John Alexander
John Alexander

Title

Vice-President

Date

8/9/99

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

ACCEPTED FOR RECORD

AUG 13 1999

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

FARMINGTON FIELD OFFICE
BY [Signature]

OPERATOR

(Other instructions on
reverse side)

Expires: February 28, 1995

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1. a. TYPE OF WELL:

OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER ☐

b. TYPE OF COMPLETION:

NEW Well ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. CENTR. ☐ OTHER ☐

2. Name of Operator

Dugan Production Corp.

3. Address and Telephone No.

P.O. Box 420, Farmington, NM 87499 (505) 325-1821

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface 1850' FSL & 1850' FEL (NW/4 SE/4)

At top prod. interval reported below

same

At total depth

same

14. PERMIT NO.

DATE ISSUED

5. LEASE DESIGNATION AND SERIAL NO.

NM 012737

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.

El Niño #6E

9. API Well No.

30 045 29639

10. FIELD AND POOL, OR WILDCAT

Basin Dakota

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Unit J

Section 11, T26N, R9W

12. COUNTY OR PARISH

San Juan

13. STATE

NM

15. DATE SPUNDED

7/28/99

16. DATE T.D. REACHED

8/8/99

17. DATE COMPL.

(Ready to prod.)

11/15/1999

18. ELEVATIONS (OF, RKB, RT, GR, ETC.)*

6238'

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

6740'

21. PLUG BACK T.D., MD & TVD

6639'

22. IF MULTIPLE COMPL., HOW MANY*

2

23. INTERVALS DRILLED BY

ROTARY TOOLS

TD

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*

6336' - 6567' (Basin Dakota - commingled with Blanco Mesaverde)

25. WAS DIRECTIONAL SURVEY MADE

no

26. TYPE ELECTRIC AND OTHER LOGS RUN

Electric & Density/Neutron open hole logs & GR/CCCL

27. WAS WELL CORED

no

28. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#	330'	12-1/4"	342 cu. ft. class "B" w/3% CaCl2	
4-1/2"	10.5# & 11.6#	6740'	7-7/8"	See details on back	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SBT (MD)
					2-3/8"	6410'	NA

31. PERFORATION RECORD (Interval, size and number)

6336', 38', 40', 42', 44', 6433', 35', 37', 39', 48', 59',
6519', 24', 33', 47', 49', 51', 67' w/1 jsfp (18 holes total)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
6336' - 6567'	900 gals 15% HCL; 77,906 gals slickwater; 84,500# 20/40 sand

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump)					WELL STATUS (Producing or shut in)	
11/15/99		capable of production					shut-in	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - MCF.	GAS - MCF.	WATER - BBL.		GAS - OIL RATIO
11/15/99	24 hrs	1/4"	→					
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24 - HOUR RATE	OIL - BBL.	GAS - MCF.	WATER - BBL.		OIL GRAVITY - API (CORR.)	
1500	1500	→						

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

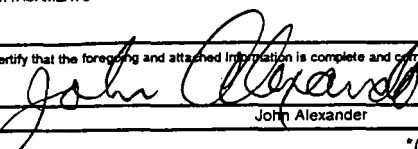
vented - to be sold

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED


John Alexander

Title Vice-president

Date 11/15/99

*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof: cored intervals; and all drill-stem, tests, including depth interval tested on used, time tool open, flowing and shut-in pressures, and recovery):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
			Drill to 6740' TD on 8/9/99. Ran Electric and Density/Neutron open hole logs. Ran 4-1/2" 11.6# J-55 and 10.5# J-55 casing. Land casing @ 6736'. Stage tools @ 4630' and 2115'. Cement 1st stage with 261 cu. ft. 65/35/8 containing 8# Gilsonite/sx and 1/4# celloflake/sx, follow with 280 cu. ft. class "H" containing 4% CD-32, .3% FL-52 and 1/4# celloflake/sx. Total cement volume stage 1 was 541 cu. ft. Cemented 2nd stage with 690 cu. ft. 65/35/8 containing 8# Gilsonite/sx and 1/4# celloflake/sx, followed by 70 cu. ft. class "C" containing 6-1/4# Gilsonite/sx and 1/4# celloflake/sx. Total cement volume stage 2 was 760 cu. ft. Cement 3rd stage with 711 cu. ft. 65/35/8 containing 8# Gilsonite/sx and 1/4# celloflake/sx, follow with 70 cu. ft. class "C" containing 6-1/4# Gilsonite/sx and 1/4# celloflake/sx. Total cement volume for stage 3 was 781 cu. ft. Circulated 2 bbls cement to surface on third stage. Job complete 8/10/99.

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Ojo Alamo	950'	
Kirtland	1266'	
Fruitland	1670'	
Pictured Cliffs	1962'	
Lewis	2034'	
Chacra	2412'	
Cliff House	3504'	
Menefee	3587'	
Point Lookout	4291'	
Gallup	5406'	
Sanostee	5915'	
Greenhorn	6256'	
Graneros	6306'	
Dakota	6334'	

Expires: February 28, 1995

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT(Other instructions on
reverse side)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1.a. TYPE OF WELL:

OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER ☐

b. TYPE OF COMPLETION:

NEW Well ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. CENTR. ☐ OTHER ☐

2. Name of Operator

Dugan Production Corp.

3. Address and Telephone No.

P.O. Box 420, Farmington, NM 87499 (505) 325 - 1821

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface 1850' FSL & 1850' FEL (NW/4 SE/4)

At top prod. interval reported below same

At total depth same

14. PERMIT NO.

DATE ISSUED

5. LEASE DESIGNATION AND SERIAL NO.
NM 012737

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.

El Niño #6E

9. API Well No.

30 045 29639

10. FIELD AND POOL, OR WILDCAT

Blanco Mesaverde

11. SEC., T., R., M., OR BLOCK AND SURVEY
OR AREA

Unit J

Section 11, T26N, R9W

12. COUNTY OR PARISH

San Juan

13. STATE

NM

15. DATE SPUDDED

7/28/99

16. DATE T.D. REACHED

8/8/99

17. DATE COMPL.

(Ready to prod.)

11/15/1999

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)

6238'

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

6740'

21. PLUG BACK T.D., MD & TVD

6639'

22. IF MULTIPLE COMPL.,
HOW MANY*

2

23. INTERVALS
DRILLED BY

ROTARY TOOLS

TD

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*

4292' - 4312' (Blanco Mesaverde - commingled with Basin Dakota)

25. WAS DIRECTIONAL SURVEY MADE

no

26. TYPE ELECTRIC AND OTHER LOGS RUN

Electric & Density/Neutron open hole logs & GR/CCL

27. WAS WELL CORED

no

28

CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#	330'	12-1/4"	342 cu. ft. class "B" w/3% CaCl2	
4-1/2"	10.5# & 11.6#	6740'	7-7/8"	See details on back	

29.

LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SBT (MD)
					2-3/8"	6410'	NA

31. PERFORATION RECORD

(Interval, size and number)

4292' - 4312' w/1 jsp (20 holes total)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)

4292' - 4312'

AMOUNT AND KIND OF MATERIAL USED

500 gals 15% HCL; 53,896 gals

slickwater; 51,000# 20/40 sand

33.*

PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump)					WELL STATUS (Producing or shut in)	
11/15/99		capable of production					shut-in	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PRODN FOR TEST PERIOD	OIL - MCF.	GAS - MCF.	WATER - BBL.		GAS - OIL RATIO
11/15/99	24 hrs	1/4"	→					
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24 - HOUR RATE	OIL - BBL.	GAS - MCF.	WATER - BBL.		OIL GRAVITY - API (CORR.)	
1500	1500	→						

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

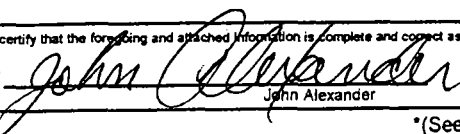
vented - to be sold

TEST WITNESSED BY

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SIGNED



Title Vice-president

Date 11/15/99

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37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof: cored intervals; and all drill-stem, tests, including depth interval tested on used, time tool open, flowing and shut-in pressures, and ... series):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
			<p>Drill to 6740' TD on 8/9/99. Ran Electric and Density/Neutron open hole logs. Ran 4-1/2" 11.6# J-55 and 10.5# J-55 casing. Land casing @ 6736'. Stage tools @ 4630' and 2115'. Cement 1st stage with 261 cu. ft. 65/35/8 containing 8# Gilsonite/sx and 1/4# celloflake/sx, follow with 280 cu. ft. class "H" containing 4% CD-32, .3% FL-52 and 1/4# celloflake/sx. Total cement volume stage 1 was 541 cu. ft. Cemented 2nd stage with 690 cu. ft. 65/35/8 containing 8# Gilsonite/sx and 1/4# celloflake/sx, followed by 70 cu. ft. class "C" containing 6-1/4# Gilsonite/sx and 1/4# celloflake/sx. Total cement volume stage 2 was 760 cu. ft. Cement 3rd stage with 711 cu. ft. 65/35/8 containing 8# Gilsonite/sx and 1/4# celloflake/sx, follow with 70 cu. ft. class "C" containing 6-1/4# Gilsonite/sx and 1/4# celloflake/sx. Total cement volume for stage 3 was 781 cu. ft. Circulated 2 bbls cement to surface on third stage. Job complete 8/10/99.</p>

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Point Lookout	4291'	
Gallup	5406'	
Sanostee	5915'	
Greenhorn	6256'	
Graneros	6306'	
Dakota	6334'	

WORKING INTEREST OWNERS

EL NIÑO #6E

API #30 045 29639

Unit J, Section 11, T26N, R9W

San Juan County, New Mexico

Dugan Production Corp. -- 74.803405%

Burlington Resources -- 25.196595%